ABSTRACT

A post-filtering method is disclosed for eliminating jagged effects of computer graphic image before outputing graphic image in accordance with the characteristics of each of the pixels to determine if it needs to perform filtering to the pixel. The method includes the following steps: (a) judging if the pixel's Z-value is equal to zero, if it is, then not perform filtering to the pixel; (b) if the pixel's Z-value is not equal to zero, then judging if the pixel is located at the intersection of the Z-plane, if it is, then performs filtering to the pixel; (c) if the pixel is not located at the intersection of the Z-plane, then judging if the pixel is located at the constant-Z plane, if it is not, then not perform filtering to the pixel; and (d) if the pixel is located at the constant-Z plane, then judging if the pixel's color variation value is greater than the threshold value, if it is, then performs filtering to the pixel. Since the post filtering method for eliminating jagged effects of the invention performs filtering only to those pixels on the border of objects in the graphic image rather than to all the pixels of the graphic image. Therefore, the blurring effect can be avoided, and the perceptual quality of the graphic image can be satisfied.

5

10

15

20